

Sub P2 A₂ Sub 7 X A coated implant comprising an implant and a coating, wherein said coating is applied to said implant, said coating comprising magnesium ions, calcium ions, and phosphate ions.

✓ 28. The implant of claim 27 wherein said implant is formed from one or more of metal, organic material, polymer, or ceramic.

✓ 29. The implant of claim 27 wherein the implant is treated by a mechanical or chemical surface treatment before said coating is applied to said device.

Sub 8 Sub 9 X 30. The implant of claim 29 wherein the implant is treated by sand-blasting, scoring, polishing, or grounding.

✓ 31. The implant of claim 29 wherein the implant is treated by contacting with strong mineral acid or an oxidizing agent in a manner to etch the implant.

✓ 32. The coated implant of claim 27, said coating further comprising one or more ions selected from the group consisting of hydroxide, carbonate, chloride, sodium and potassium.

Sub D2 33. The coated implant of claim 27, said coating comprising one or more of amorphous carbonate calcium phosphate, hydroxyapatite, calcium deficient and hydroxyl carbonate apatite, octacalcium phosphate, dicalcium phosphate dihydrate or calcium carbonate.

34. The coated implant of claim 27 wherein the coating has a thickness of about 0.5 to about 100 microns.

35. The coated implant of claim 27 wherein the coating has a thickness of about 0.5 to about 50 microns.

A₂ end
Step 3
Step 2
Step 1

36. A coated implant comprising an implant, a first coating, and a second coating, wherein said first coating is applied to said implant, said first coating comprising magnesium ions, calcium ions, and phosphate ions, wherein a second coating is applied to said implant after said first coating, said second coating comprising calcium and phosphate ions.

Please cancel claims 1-26 without prejudice to the filing of any appropriate continuation application.

REMARKS

Prior to the calculation of the filing fee, Applicants respectfully request entry of the above amendments.

Respectfully submitted,

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[Signature]
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